ARENA - getting into the grid and R&D

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APVI- PV and the electricity grid workshop
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ARENA Core Objectives

Mission: Help catalyse the development and deployment of renewable energy in Australia

1. Improve competitiveness of renewable energy technologies

$2.5b funding to 2022

2. Increase supply of renewable energy
ARENA’s programs

Technology push
- research
- development
- demonstration

Market pull
- deployment

- Regional Australia’s Renewables
- Emerging Renewables Program
- Accelerated Step Change Initiative
- Renewable Energy Venture Capital Fund

Knowledge Sharing Collaboration and Engagement
- Building Australia’s Next Generation Solar
- Identifying Australia’s Top R&D (non-solar)
- Integrating Renewables in the Grid
- Renewables through Hybridisation
- Advanced Biofuels

Open Programs
- Programs announced in latest investment plan – still to be launched

Ongoing and referred projects (including Big Solar projects)
Rooftop PV penetration in Australia

2011        2013
19% PV uptake Queensland
PV thrives in the Bush

After controlling for socio-economic and demographic variables
Integration of renewables in the grid

Investigate scope to enable higher penetration renewables in distribution networks

Identify barriers and areas of greatest need / focus

Consider potential activities early 2013/14
Australia’s top R&D opportunities

Two objectives:
- World leading research
- Australian specific

Expected first round - solar Q1 2014

Subsequent rounds to expand to technologies other than solar

Natalie Holmes, solar PhD scholar
How can you influence the ARENA program?

- **Participate** in discussions on ARENA programs
- **Provide your input** on areas of focus for integration of renewables in the grid
- **Apply** for the programs open for applications
Thank you